

## ABSTRACT OF THE DISCLOSURE

A transconductance amplifier for inductive loads and a relevant inductive load driving method, the amplifier having an input stage receiving a driving signal (set-point), a power stage connected downstream of the input stage and connected to the load and an output stage feedback on the input stage to transfer a signal associated to the load. Advantageously, the input stage comprises at least a comparator receiving on one input the driving signal and on another input the output of the output stage. A delay block is also provided between the comparator output and the power stage to delay the comparator switching. This can be obtained also by using a hysteretic comparator.

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